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NPIC/R-49-63

April 1963

PHOTOGRAPHIC INTERPRETATION REPORT

TABULATION AND SUMMARY OF DEPLOYED SA-3 SAM LAUNCH SITES IDENTIFIED IN THE USSR AS OF [REDACTED]



ARMY



NAVY



AIR FORCE



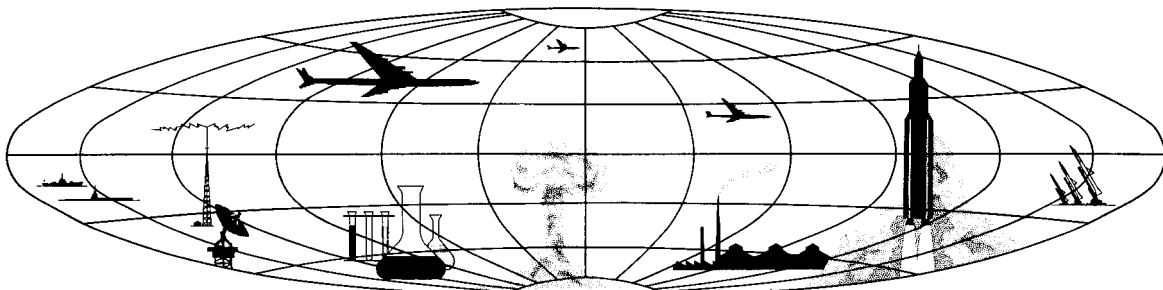
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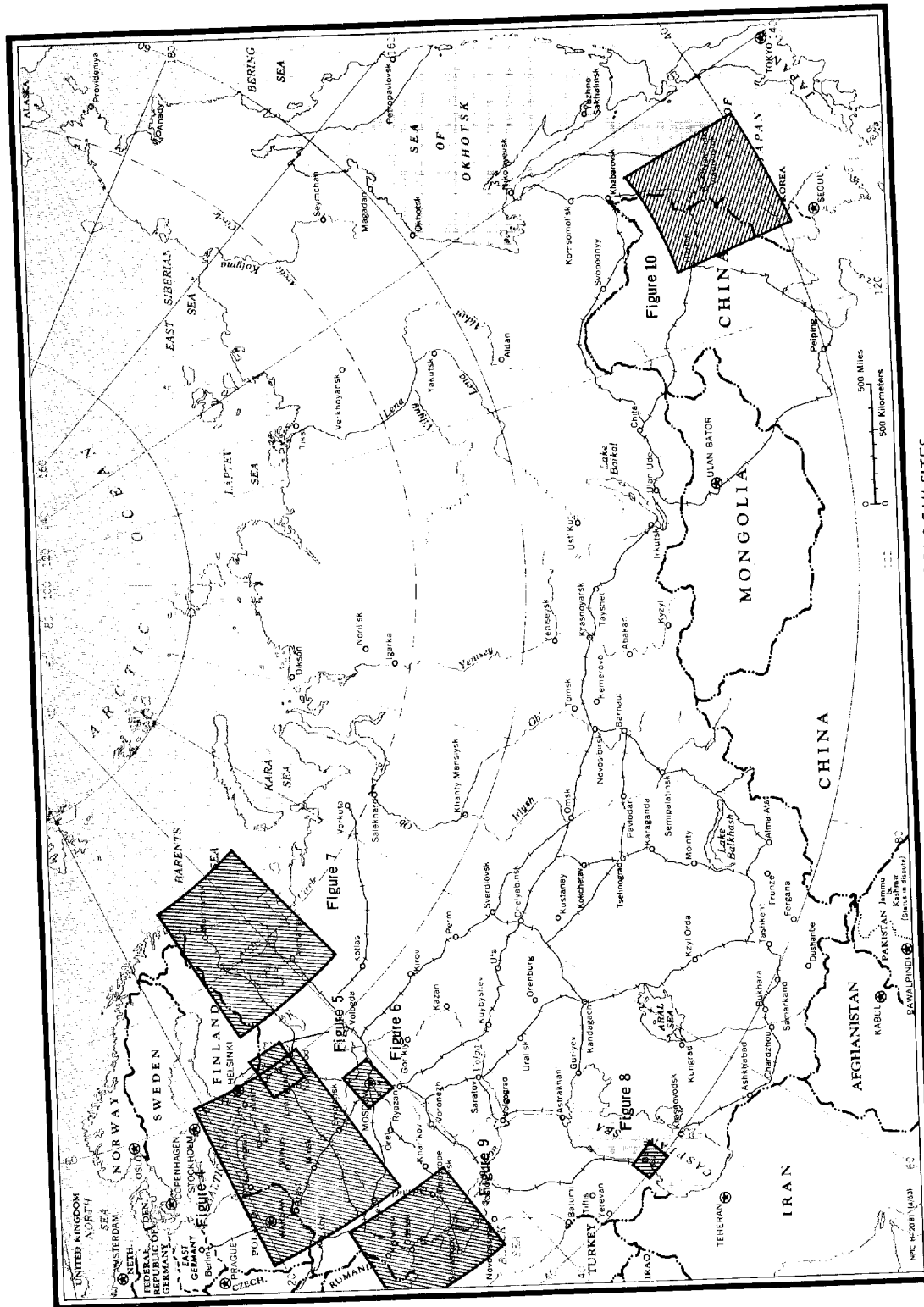


FIGURE 1. AREAS OF DEPLOYMENT OF SA-3 SAM SITES.

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TABULATION AND SUMMARY OF DEPLOYED
SA-3 SAM LAUNCH SITES IDENTIFIED
IN THE USSR AS OF [REDACTED]

25X10

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INTRODUCTION

A total of 44 SA-3 SAM launch sites have been identified in the USSR as of [REDACTED] with either SA-1 or SA-2 SAM launch sites. Thirty-eight of the identified SA-3 sites are located in peripheral areas of the USSR, and the remaining six sites are located in close proximity to SA-1 launch sites northwest of Moscow (Figure 1).

GENERAL

The SA-3 SAM launch system was first observed in the research and development phase at the Kapustin Yar Missile Test Center on TALENT photography [REDACTED]. The first operationally deployed site was identified on KEYHOLE [REDACTED] at Palanga. Since that time, 43 additional sites have been identified on KEYHOLE photography.

regardless of the site configuration, is the unusual launch position. The launch position is a revetted circular launch pad (40 to 55 feet in diameter) with a single access served by a long straight road (200 to 250 feet in length) extending out and away from the launch position (Figure 2).

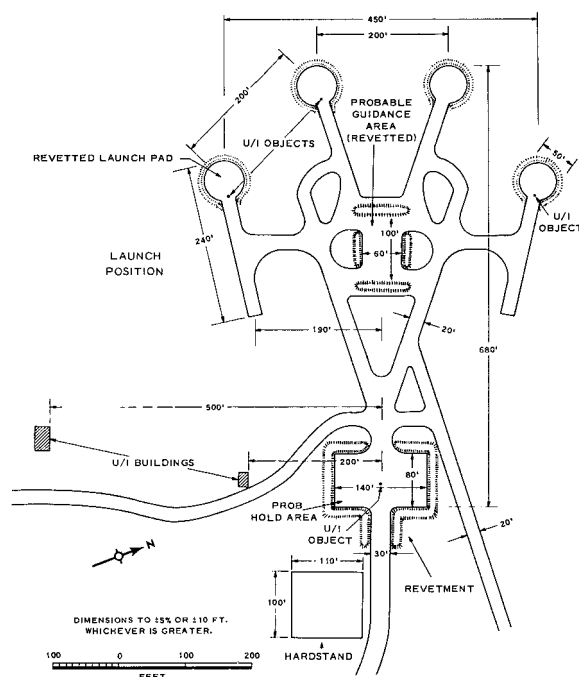


FIGURE 2. CONFIGURATION OF AN SA-3 LAUNCH POSITION.

25X1B

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25X1B

25X1B

The remainder of the service road system, differing among the patterns and configurations, connects the launch positions with the central revetment and with the hold revetments.



Although most of the SA-3 sites are co-located with either SA-1 or SA-2 SAM sites, this arrangement appears to be more of an effort to consolidate administrative and housing facilities and to provide unity of command than a necessity for operability of the site.

Because all the sites have been identified on KEYHOLE photography, the identification of the missile, launcher, or electronics and associated equipment is precluded by the small scale of the photography.

Although positive identification has not been made of any of the equipment listed above, the SA-3 SAM launch system is generally believed to be a low-to-medium altitude, short-range defensive missile system.

TABULATION OF SA-3 SITES IDENTIFIED IN THE USSR
AS OF 18 DECEMBER 1962

25X1

Name	Distance And Direction From Target	Geographic Coordinates		Distance And Direction To Nearest SA-1 Or SA-2 Site	Site Configuration	Figure Number
1. Chernyakhovsk (Ragnit)	26 nm NNE	55-01-25N 21-59-50E		8.5 nm SSE (B-32)	F	4
2. Chernyakhovsk (Ozersk)	17 nm SE	54-24-35N 22-02-25E		0.5 nm SW (B-16)	F	4
3. Kaliningrad (Baltiysk)	21.2 nm WSW	54-39-50N 19-54-00E		5 nm SSW (B-28)	F	4
4. Kaliningrad (Pravdinsk)	22.4 nm SE	54-28-25N 20-59-59E		3 nm N (C-14)	F	4
5. Kaliningrad (Donskoye)	20.7 nm NE	54-56-10N 20-02-35E		6 nm N (B-30)	I	4
6. Kaliningrad (Polessk)	22 nm ENE	54-50-20N 21-06-45E		0.5 nm NW (C-08)	F	4
7. Klaipeda (A-17A)	5 nm SSE	55-37-45N 21-10-00E		0.6 nm NNW (A-17)	G	4

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25X1A

Name	Distance And Direction From Target	Geographic Coordinates		Distance And Direction To Nearest SA-1 Or SA-2 Site	Site Configuration	Figure Number
8. Leningrad (D-28A)	30.5 nm W	59-57-50N 29-17-10E		0.4 nm SW (D-28)	E	5
9. Leningrad (B-29A)	20.5 nm WNW	60-01-20N 29-41-30E		0.3 nm WNW (B-29)	H	5
10. Leningrad (D-30A)	31.5 nm NW	60-10-00N 29-23-10E		0.5 nm ESE (D-30)	E	5
11. Leningrad (C-31A)	29 nm NW	60-13-55N 29-34-45E		1 nm SSW (C-31)	E	5
12. Leningrad (D-32)	33 nm NW	60-20-10N 29-37-30E		4.5 nm WNW (C-33)	E	5
13. Moscow (E-28A)	46.5 nm NW	55-52-20N 36-16-40E		0.5 nm W (E-28)	F	6
14. Moscow (E-29)	47 nm WNW	56-01-10N 36-19-20E		1 nm WNW (E-30)	F	6
15. Moscow (E-33A)	47.3 nm NW	56-21-40N 36-45-40E		2.3 nm NW (E-33)	F	6
16. Moscow (E-34A)	47 nm NNW	56-25-35N 36-58-40E		2 nm NNW (E-34)	F	6
17. Murmansk (B-08)	13.5 nm ESE	69-00-50N 33-39-30E		4.2 nm N (B-10)	A	7
18. Odessa (A-19A)	7.5 nm S	46-21-55N 30-42-40E		0.5 nm SW (A-19)	F	9
19. Odessa (A-05A)	9 nm NE	46-34-50N 30-52-45E		0.5 nm N (A-05)	F	9
20. Olen'ya (B-01)	19.5 nm NNE	68-27-00N 33-23-00E		6.5 nm NNW (Olenya)	C	7
21. Olen'ya (B-02A)	14.5 nm NNE	68-22-10N 33-27-00E		1 nm NW (Olenya)	C	7
22. Olen'ya (B-05)	11 nm NE	68-15-20N 33-38-20E		7 nm SE (Olenya)	C	7
23. Palanga (A-03A)	4.6 nm NNE	55-59-51N 21-06-00E		1 nm NNW (A-03)	F	4
24. Pruzhany (B-16)	18 nm SSE	52-16-10N 24-20-00E		15 nm SSW (B-10)	F	4
25. Sevastopol' (A-01A)	6 nm N	44-42-40N 33-33-25E		0.1 nm SSW (A-01)	F	9
26. Sevastopol' (A-27A)	4 nm W	44-35-45N 33-25-00E		0.1 nm SSW (A-27)	F	9

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25X1A

Name	Distance And Direction From Target	Geographic Coordinates		Distance And Direction To Nearest SA-1 Or SA-2 Site	Site Configuration	Figure Number
27. Severodvinsk (B-02A)	11 nm NNE	64-46-10N 39-59-00E		0.5 nm SE (B-02)	F	7
28. Severodvinsk (Prob)	9 nm WSW	64-32-40N 39-30-00E		3.5 nm SE (B-28)	B	7
29. Shchuchin AFLD (A-27A)	5 nm W	53-35-45N 24-37-30E		0.5 nm NW (A-27)	F	4
30. Sovetsk (B-32A)	18.5 nm NW	55-17-45N 21-30-10E		0.6 nm NE (B-32)	F	4
31. Sovetsk MRBM (A-06)	2 nm NE	55-00-40N 21-38-00E		12.5 nm SW (B-32)	F	4
32. Volkovysk (B-19A)	14 nm S	52-55-20N 24-25-00E		1 nm NNW (B-19)	F	4
33. Volkovysk (A-34A)	9.5 nm NNW	53-18-10N 24-21-30E		0.5 nm NW (A-34)	F	4
34. Vladivostok (A-07)	5 nm ENE	43-07-40N 132-02-20E		9.5 nm NE (A-19)	F	10
35. Kaliningrad (C-11)	20 nm ESE	54-38-00N 21-03-00E		12.5 nm WSW	G	4
36. Baku	9.5 nm E	40-22-30N 50-07-00E		0.5 nm W (B-10)	F	8
37. Lyalichi	5.2 nm SE	44-02-10N 132-30-00E		0.9 nm SSE	C	10
38. Ussuriysk (B-08)	13.7 nm ENE	43-53-10N 132-16-54E		7 nm ENE (C-08)	C	10
39. Kaliningrad (B-21A)	17 nm SE	54-27-25N 20-16-20E		6.9 nm SW (B-21)	G	4
40. Kaliningrad (B-02)	12.5 nm NNE	54-53-45N 20-33-40E		0.5 nm E (B-05)	G	4
41. Vladivostok (B-26)	17.5 nm WSW	43-02-25N 131-33-00E		2 nm SW (B-27)	F	10
42. Lida (C-29A)	22 nm WNW	53-58-45N 24-48-20E		0.3 nm N (C-29)	U/C	4
43. Moscow (E-35A)	45.5 nm NNW	56-27-21N 37-10-08E		0.5 N (E-35)	F	6
44. Moscow (E-32A)	46 nm WNW	56-16-05N 36-38-00E		0.5 nm WNW (E-32)	U/C	6

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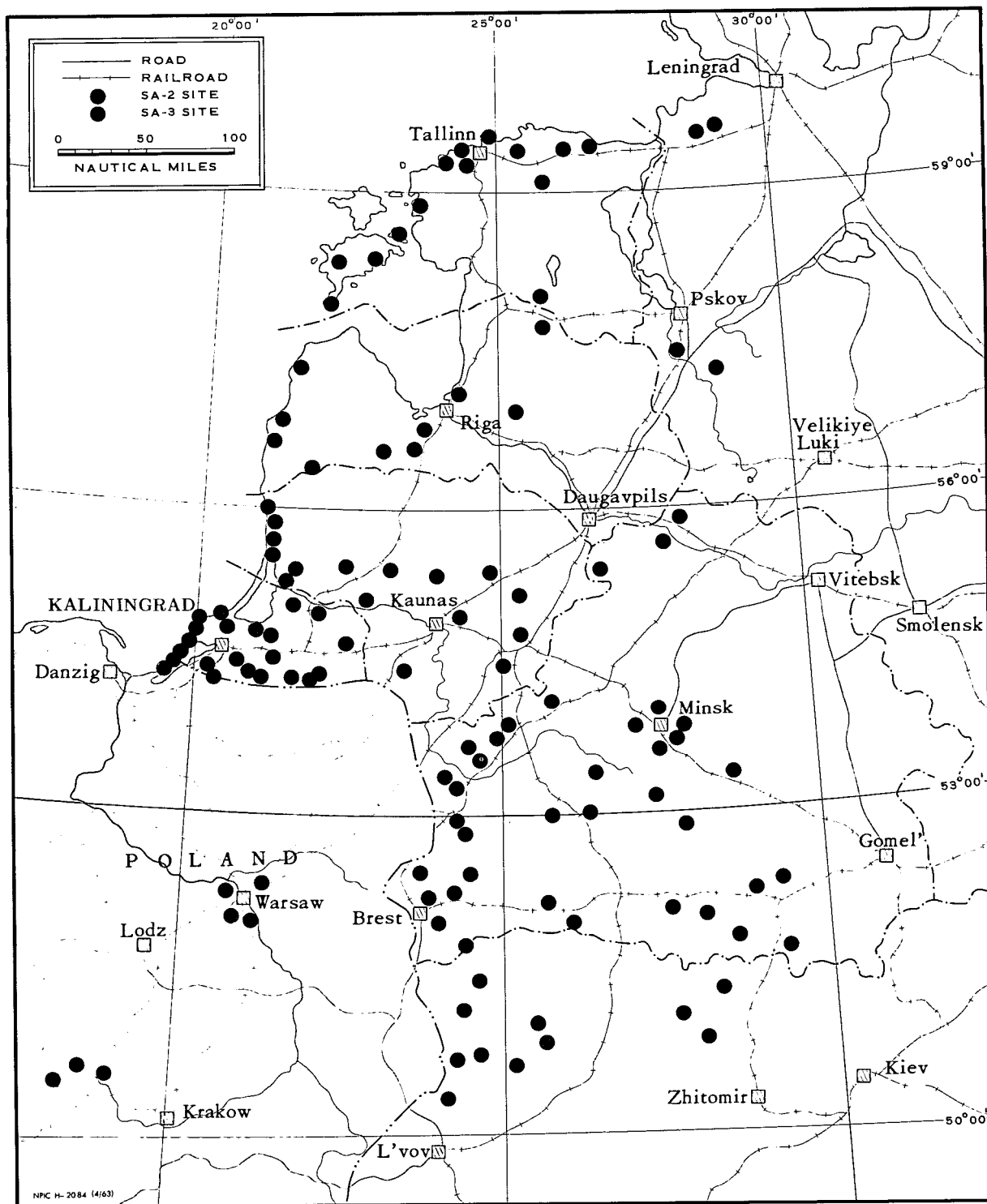


FIGURE 4. LOCATION OF SA-3 SITES IN THE WESTERN USSR.

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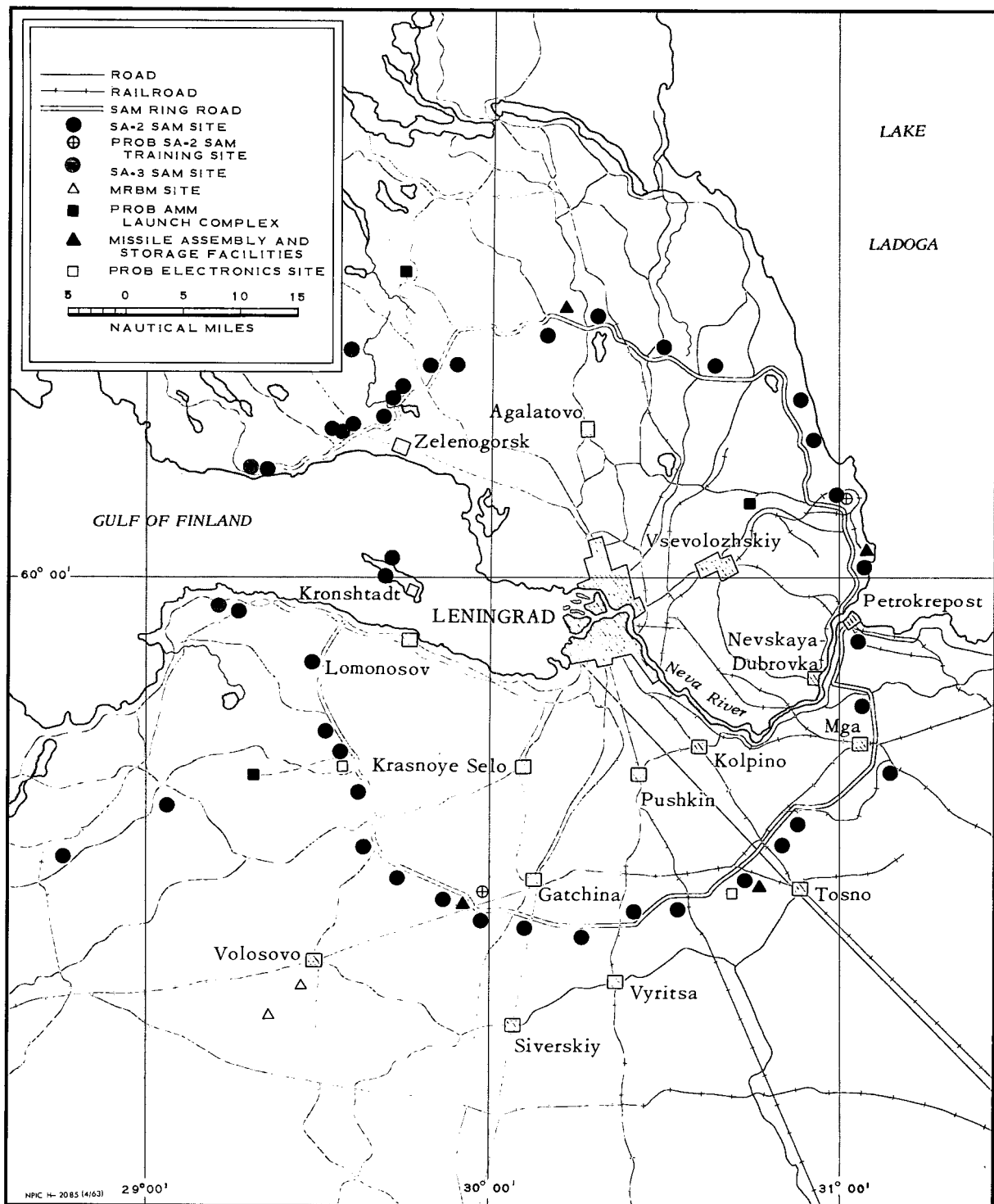


FIGURE 5. LOCATION OF SA-3 SITES NEAR LENINGRAD.

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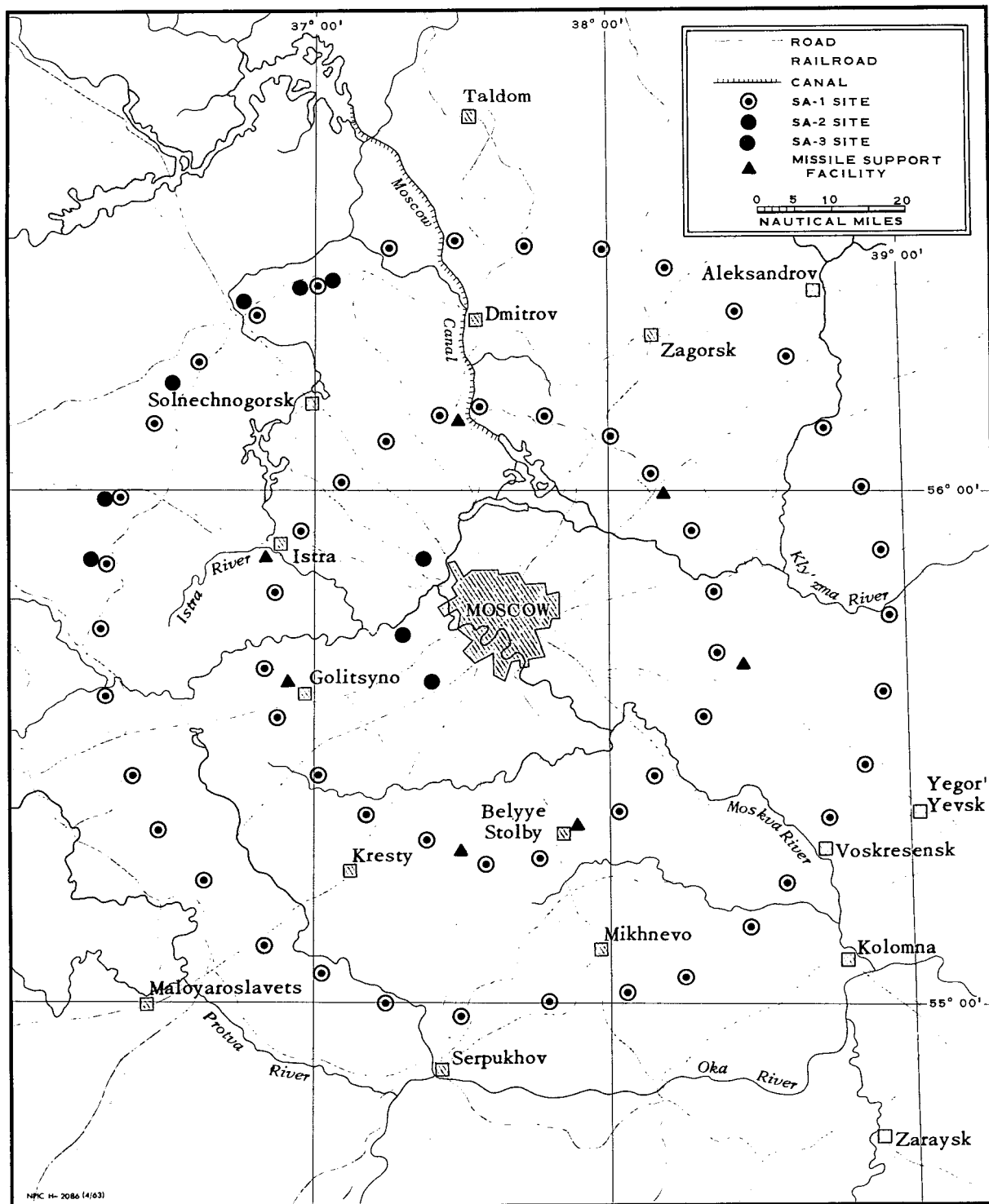


FIGURE 6. LOCATION OF SA-3 SITES NEAR MOSCOW.

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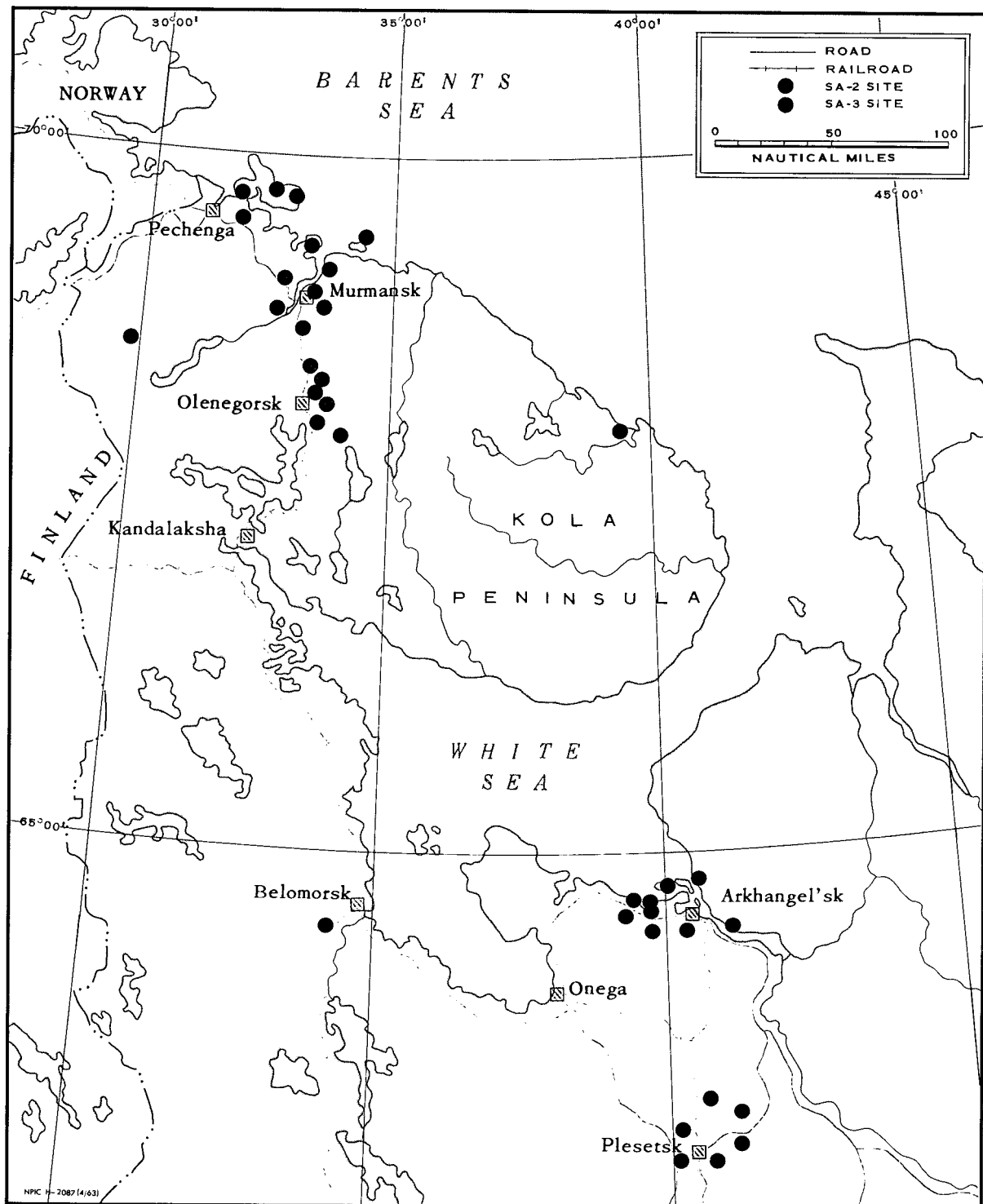


FIGURE 7. LOCATION OF SA-3 SITES IN THE NORTHWESTERN USSR.

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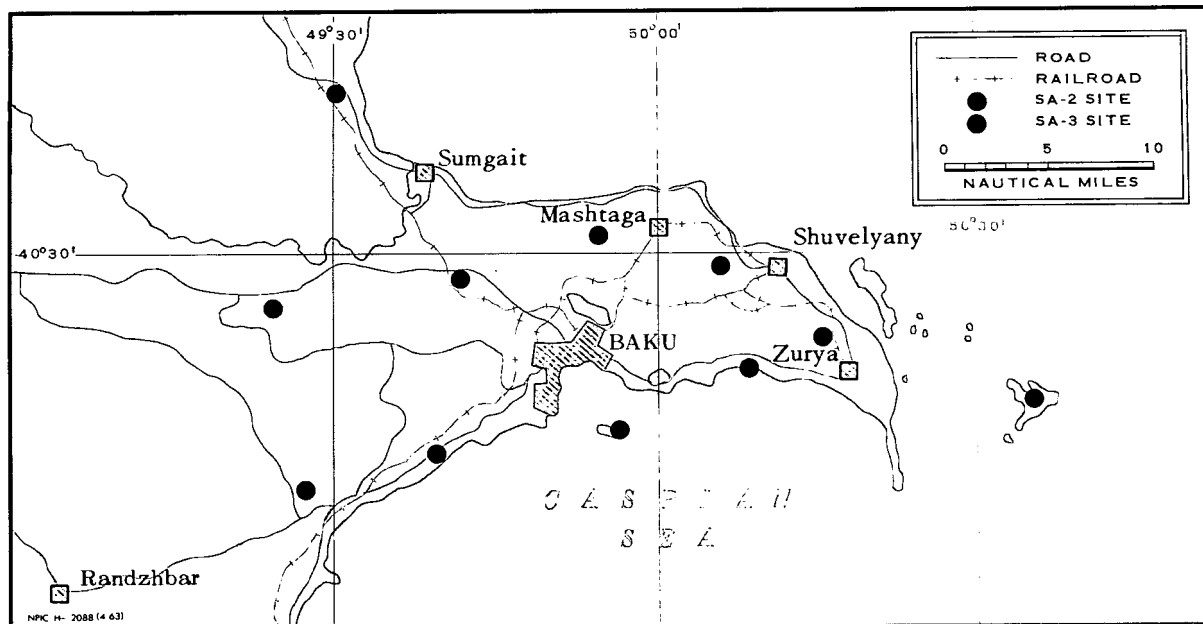


FIGURE 8. LOCATION OF SA-3 SITE NEAR BAKU.

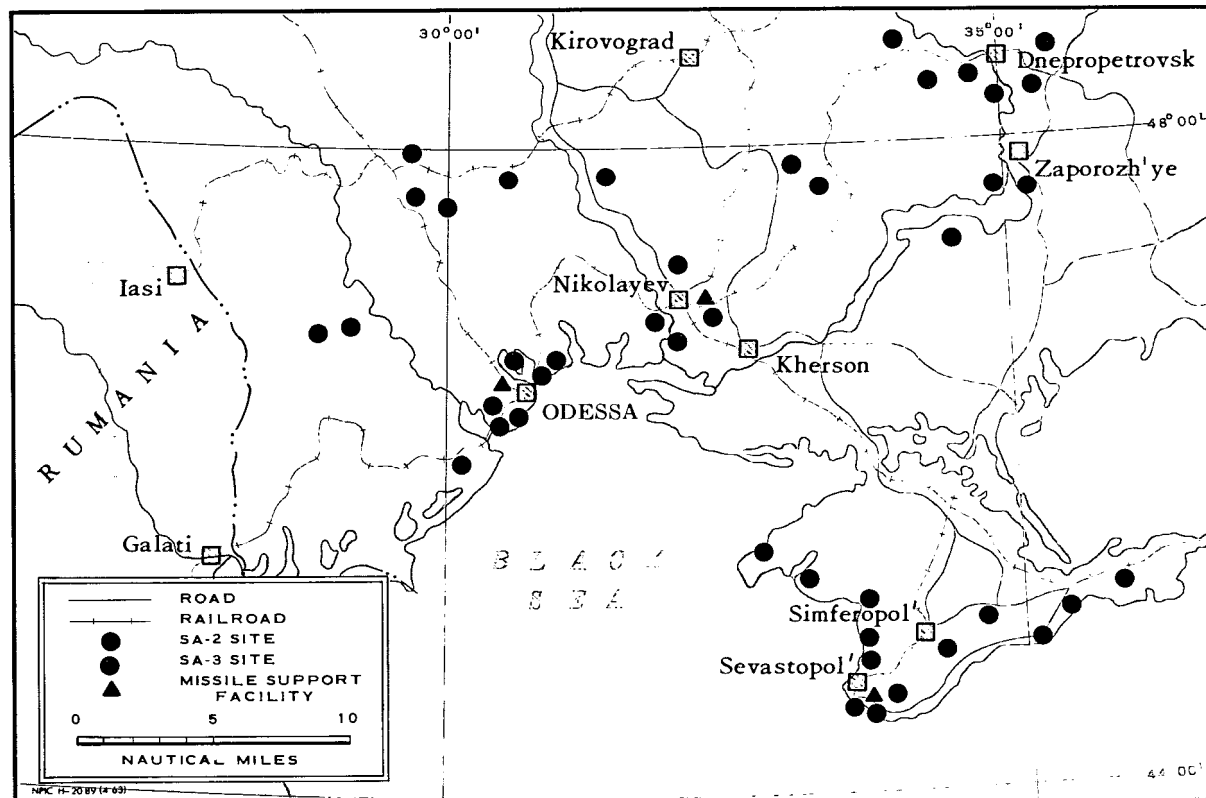


FIGURE 9. LOCATION OF SA-3 SITES ON THE BLACK SEA.

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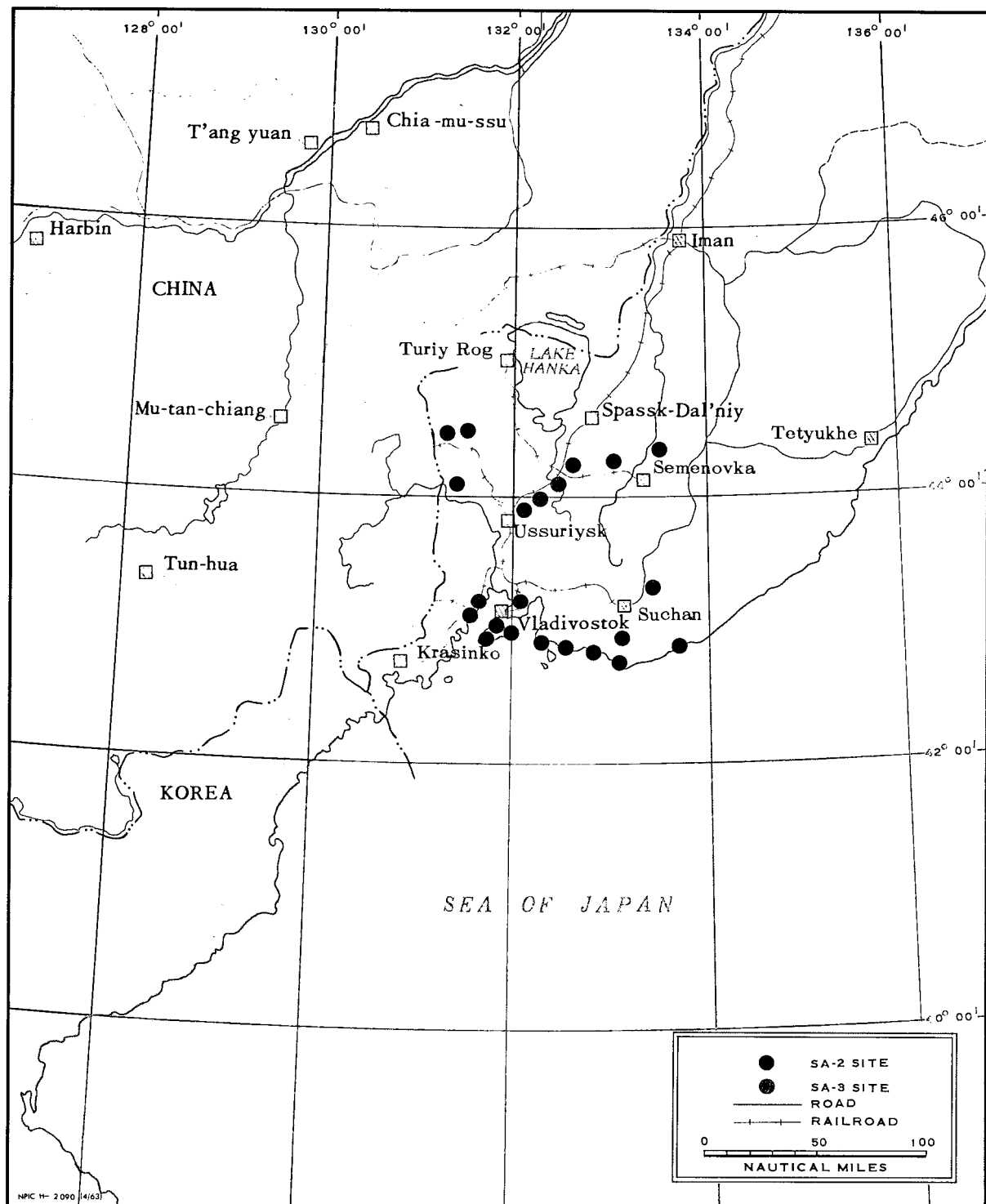


FIGURE 10. LOCATION OF SA-3 SITES IN THE FAR EASTERN USSR.

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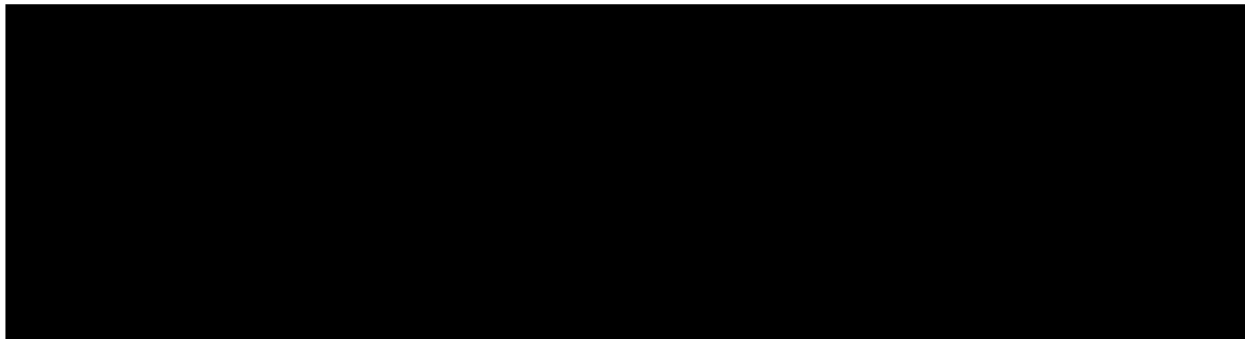
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25X1D PHOTOGRAPHY



MAPS AND CHARTS

1. ACIC. US Air Target Chart, Series 200, Sheet 0168-6A, 1st ed, Apr 57, scale 1:200,000 (SECRET)
2. ACIC. US Air Target Chart, Series 200, Sheet 0168-11A, 1st ed, Sep 57, scale 1:200,000 (SECRET)
3. ACIC. US Air Target Chart, Series 200, Sheet 0169-10AL, 2d ed, May 61, scale 1:200,000 (SECRET)
4. ACIC. US Air Target Chart, Series 200, Sheet 0169-10AL, 2d ed, May 61, scale 1:200,000 (SECRET)
5. ACIC. US Air Target Chart, Series 200, Sheet 0169-10AL, 2d ed, May 61, scale 1:200,000 (SECRET)
6. ACIC. US Air Target Chart, Series 200, Sheet 0168-6A, 1st ed, Apr 57, scale 1:200,000 (SECRET)
7. SAC. US Air Target Chart, Series 200, Sheet 0168-1A, 1st ed, Jul 57, scale 1:200,000 (SECRET)
8. SAC. US Air Target Chart, Series 200, Sheet 0153-4A, 1st ed, Jan 59, scale 1:200,000 (SECRET)
9. SAC. US Air Target Chart, Series 200, Sheet 0103-25AL, 1st ed, Jan 59, scale 1:200,000 (SECRET)
10. SAC. US Air Target Chart, Series 200, Sheet 0103-24AL, 1st ed, May 60, scale 1:200,000 (SECRET)
11. SAC. US Air Target Chart, Series 200, Sheet 0103-24AL, 1st ed, May 60, scale 1:200,000 (SECRET)
12. SAC. US Air Target Chart, Series 200, Sheet 0103-25AL, 2d ed, Feb 60, scale 1:200,000 (SECRET)
13. ACIC. US Air Target Chart, Series 200, Sheet 0167-4A, 1st ed, Jan 59, scale 1:200,000 (SECRET)
14. SAC. US Air Target Chart, Series 200, Sheet 0154-22A, 1st ed, Jan 59, scale 1:200,000 (SECRET)
15. SAC. US Air Target Chart, Series 200, Sheet 0154-22A, 1st ed, Jan 59, scale 1:200,000 (SECRET)
16. SAC. US Air Target Chart, Series 200, Sheet 0154-22A, 1st ed, Jan 59, scale 1:200,000 (SECRET)
17. ACIC. US Air Target Chart, Series 200, Sheet 0051-18AL, 2d ed, Apr 60, scale 1:200,000 (SECRET)
18. ACIC. US Air Target Chart, Series 200, Sheet 0250-13AL, 3d ed, Nov 59, scale 1:200,000 (SECRET)
19. ACIC. US Air Target Chart, Series 200, Sheet 0250-8AL, 2d ed, Nov 59, scale 1:200,000 (SECRET)
20. ACIC. US Air Target Chart, Series 200, Sheet 0051-23AL, 2d ed, Dec 59, scale 1:200,000 (SECRET)
21. ACIC. US Air Target Chart, Series 200, Sheet 0051-23AL, 2d ed, Dec 59, scale 1:200,000 (SECRET)
22. ACIC. US Air Target Chart, Series 200, Sheet 0051-23AL, 2d ed, Dec 59, scale 1:200,000 (SECRET)
23. SAC. US Air Target Chart, Series 200, Sheet 0168-1A, 1st ed, Jul 57, scale 1:200,000 (SECRET)

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MAPS AND CHARTS (Continued)

24. SAC. US Air Target Chart, Series 200, Sheet 0168-22A, 1st ed, Jun 57, scale 1:200,000 (SECRET)
25. SAC. US Air Target Chart, Series 200, Sheet 0250-25AL, 2d ed, Oct 59, scale 1:200,000 (SECRET)
26. SAC. US Air Target Chart, Series 200, Sheet 0250-25AL, 2d ed, Oct 59, scale 1:200,000 (SECRET)
27. NHO. US Air Target Chart, Series 200, Sheet 0092-22A, 1st ed, Oct 58, scale 1:200,000 (SECRET)
28. NHO. US Air Target Chart, Series 200, Sheet 0092-22A, 1st ed, Oct 58, scale 1:200,000 (SECRET)
29. SAC. US Air Target Chart, Series 200, Sheet 0168-18ZA, 2d ed, Oct 58, scale 1:200,000 (SECRET)
30. SAC. US Air Target Chart, Series 200, Sheet 0168-6AL, 1st ed, Apr 57, scale 1:200,000 (SECRET)
31. ACIC. US Air Target Chart, Series 200, Sheet 0168-6AL, 1st ed, Apr 57, scale 1:200,000 (SECRET)
32. SAC. US Air Target Chart, Series 200, Sheet 0169-17A, 1st ed, Nov 57, scale 1:200,000 (SECRET)
33. SAC. US Air Target Chart, Series 200, Sheet 0169-17A, 1st ed, Nov 57, scale 1:200,000 (SECRET)
34. SAC. US Air Target Chart, Series 200, Sheet 0291-6AL, 2d ed, Aug 61, scale 1:200,000 (SECRET)
35. SAC. US Air Target Chart, Series 200, Sheet 0168-6A, 1st ed, Apr 57, scale 1:200,000 (SECRET)
36. ACIC. US Air Target Chart, Series 200, Sheet 0325-25A 1st ed, Jun 58, scale 1:200,000 (SECRET)
37. SAC. US Air Target Chart, Series 200, Sheet 0282-21A, 2d ed, Jul 59, scale 1:200,000 (SECRET)
38. SAC. US Air Target Chart, Series 200, Sheet 0291-1A, 1st ed, Jun 58, scale 1:200,000 (SECRET)
39. SAC. US Air Target Chart, Series 200, Sheet 0169-10AL, 2d ed, May 61, scale 1:200,000 (SECRET)
40. SAC. US Air Target Chart, Series 200, Sheet 0169-10AL, 2d ed, May 61, scale 1:200,000 (SECRET)
41. ACIC. US Air Target Chart, Series 200, Sheet 0291-6AL, 2d ed, 6 Aug 61, scale 1:200,000 (SECRET)
42. ACIC. US Air Target Chart, Series 200, Sheet 0168-13HL, 2d ed, Sep 62, scale 1:200,000 (SECRET)
43. SAC. US Air Target Chart, Series 200, Sheet 0154-22A, 1st ed, Jan 59, scale 1:200,000 (SECRET)
44. SAC. US Air Target Chart, Series 200, Sheet 0154-22A, 1st ed, Jan 59, scale 1:200,000 (SECRET)

RELATED DOCUMENTS

25X1C

NPIC. R-1022/62, SA-3 SAM Launch Site Near Palanga, USSR, May 62 (SECRET/Noform [REDACTED])

NPIC. R-1031/62, SA-3 SAM Launch Site Near Moscow, Jul 62 (SECRET/Noform [REDACTED])

REQUIREMENT

CIA. OSI/R-19/62

NPIC PROJECT

JN-34/62

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